

## CLAIMS

- 1    1. An integrated security system operating over a network comprising:  
2        a network security controller coupled to the network comprising:  
3              a relational database including portal objects and related resources  
4        represented in at least one table in the relational database;  
5              at least one network node comprising:  
6                  a local database coupled to the network adapted to receive  
7        predetermined resource information from the relational database;  
8                  an event generator coupled to the local database to provide at least  
9        one portal event in response to the predetermined resource information received by  
10      the local database; and  
11              a finite state portal controller coupled to the network and the event  
12      generator for providing at least one of an action and a global event in response to  
13      the at least one portal event.
  
- 1    2. The system of Claim 1 wherein the event generator comprises a protocol  
2      normalizer.
  
- 1    3. The system of Claim 2 wherein the event generator further comprises a data  
2      stream converter coupled to the protocol normalizer adapted to receive data from a  
3      field device.
  
- 1    4. The system of Claim 3 wherein the field device is at least one of:  
2        a reader module;  
3        an input module;  
4        an output module;  
5        a communications module and  
6        a panel.

- 1    5.     The system of Claim 1 wherein the event generator comprises:
  - 2       a supervision controller;
  - 3       an I/O controller coupled to the supervision controller and adapted to receive signals from at least one of:
  - 4       an input extension;
  - 5       an output extension;
  - 6       a temperature extension; and
  - 7       an access extension.
- 1    6.     The system of Claim 1 further comprising a network node controller coupled to the database and coupled to the at least one network node.
- 1    7.     The system of Claim 1 wherein the network security controller further comprises an extensible markup language generator and the at least one network node local database downloads an extensible markup language representation of the predetermined resource information.
- 1    8.     The system of Claim 7 wherein the extensible markup language representation comprises XML.
- 1    9.     The system of Claim 1 wherein the at least one global event is represented using an extensible markup language representation.
- 1    10.    The system of Claim 9 wherein the extensible markup language representation comprises XML.
- 1    11.    The system of Claim 1 wherein the network security controller further comprises a web server coupled to the network and the database to provide at least

3 one user interface to the integrated security system in at least one browser.

1 12. A method to normalize an access control event comprising:  
2 converting a field device signal representing the access control event to a  
3 data stream;  
4 normalizing the data stream to provide at least one portal event; and  
5 processing the at least one portal event in a finite state portal controller to  
6 provide at least one of a local action and a global event.

1 13. The method of Claim 12 further comprising:  
2 storing predetermined resource information from at least one resource table of a  
3 relational database in a local database; and  
4 wherein normalizing the data stream comprises mapping the field device signal to  
5 the at least one portal event using the stored predetermined resource information.

1 14. The method of Claim 13 further comprising using an extensible markup language  
2 representation for the predetermined resource information.

1 15. The method of Claim 13 wherein mapping the field device signal comprises at  
2 least one of:  
3 detecting a state change in the field device signal to provide a portal event; and  
4 translating the field device signal to provide a portal event.

1 16. The method of Claim 12 further comprising processing the at least one local  
2 action in response to determining that the field is a module.

1 17. A method to process an access control event from an application extension  
2 comprising:

3 supervising the application extension to provide at least one portal event; and  
4 processing the at least one portal event in a finite state portal controller to  
5 provide at least one of a local action and a global event.

1 18. The method of Claim17 further comprising:  
2 storing predetermined resource information from at least one resource table of a  
3 relational database in a local database; and  
4 mapping an application extension state change signal to provide the at least one  
5 portal event.

1 19. The method of Claim18 further comprising using an extensible markup language  
2 representation for the predetermined resource information.

1 20. The method of Claim18 further comprising:  
2 receiving a command;  
3 mapping the command using the predetermined resource information to provide a  
4 command portal event;  
5 processing the command portal event in the finite state portal controller to  
6 provide at least one local action; and  
7 converting the local action into a local action field device signal directed to a  
8 selected application extension.